

Network Integration (NT) Transmission Service

BPA Transmission Business Practice

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The Network Integration (NT) Transmission Service Business Practice outlines processes and procedures specific to Network Integration (NT) Transmission Service.

BPA Policy References

- [Open Access Transmission Tariff \(OATT\)](#): Part III. Network Integration Transmission Service; Attachment G
- [Transmission Rate Schedules/Provisions](#): Network Integration Rate

For more information, visit the [BPA Transmission Business Practices webpage](#) or submit questions to techforum@bpa.gov.

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A. Requesting NT

1. An Eligible Customer that is not yet a BPA Transmission Services customer must complete the steps on the [Becoming a Transmission Customer webpage](#).
2. Per Section 29.2 of the OATT, an Eligible Customer seeking NT must submit the following over OASIS:
 - a. Transmission Service Request (TSR).

- b. NITS Application. Refer to the Network Integration (NT) Transmission Service TSR Procedures.
3. The Eligible Customer must also provide the following supplemental information as part of the application for NT:
 - a. New Network Load Supplemental Form.
 - b. Ten-year load and resource forecast.
4. The Eligible Customer's Transmission Account Executive will help coordinate the process of providing the information required in 29.2 of the OATT.

B. Load & Resource Forecasts

1. The NT Annual Load and Resource Forecasting Process is the annual update of a Network Customer's ten-year load and resource forecast as required by Sections 29.2 and 31.6 of the OATT and the NERC MOD-031 Reliability Standards.
 - a. The data submitted and/or confirmed by the Network Customer informs BPA Transmission Services' long-term transmission planning and future TSR Study and Expansion (TSEP) cycles.
 - b. The Network Customer's BPA forecaster works with the Network Customer to meet the annual forecast update obligation.
2. The NT Annual Load and Resource Forecasting Process is conducted annually.
 - a. BPA Transmission Services will notify Network Customers of the timing of the upcoming NT Annual Load and Resource Forecasting Process.
3. The Load and Resource Consolidated Data Collection Tool (LaRC) is a workbook that provides detail such as forecasted and historical loads, and non-federal resource forecasts.
 - a. Network Customers are not required to submit federal resource forecasts in the LaRC.
 - b. BPA may change the LaRC from time to time to improve the NT Annual Load and Resource Forecasting Process. Changes will be communicated prior to the start of the annual NT Annual Load and Resource Forecasting Process.
4. BPA prepares the LaRC by populating it with the current BPA load forecast information and non-federal resource encumbrance(s).
5. As part of initiating the NT Annual Load and Resource Forecasting Process, BPA will send the LaRC to all Network Customers via email (if available) along with an instruction letter.
6. The Network Customer must review the LaRC and provide any updates or changes by the due date specified in the letter. The due date will not be less than 30 Calendar Days from when the request was sent.
 - a. In the event a Network Customer is working with a third party for planning and completion of the LaRC, the Network Customer is responsible for ensuring the information in the LaRC is accurate and submitted by the due date.

- b. The Network Customer is responsible for identifying in the LaRC which Resource Forecasts that will be analyzed as alternate resources.
7. The queue time for evaluating the non-federal resource forecast is the time BPA receives the email containing the LaRC.
8. If the Network Customer does not return the LaRC, BPA Transmission Services will roll forward any previously accepted forecasted non-federal Network Resources. The Network Customer may provide an out-of-cycle update as specified below in Section C.
9. If BPA Transmission Services determines the LaRC is incomplete or deficient, BPA Transmission Services will notify the Network Customer and the Network Customer must remedy the LaRC within 5 Business Days of notification. If efforts to remedy the deficiencies are unsuccessful, BPA Transmission Services will roll forward any previously accepted forecasted non-federal Network Resources.
10. At the conclusion of the reviews, BPA will publish a final load forecast (Agency Load Forecast).
11. BPA Transmission Services will create a CONFIRMED Forecasted TSR (FTSR) for each accepted non-federal Network Resource forecast to encumber capacity as indicated in Section D.
12. In the event that any portion of the non-federal resource forecast was not accepted, BPA will discuss options with the Network Customer.
 - a. BPA Transmission Services will create one or more FTSRs in STUDY status to reflect the unencumbered resources and MWs.
 - b. An FTSR in STUDY Status reflects capacity that has not been encumbered, requiring further review and may be eligible to participate in a study.
 - c. In the event BPA Transmission Services offers a study agreement, the Network Customer may decline to participate, in which case the FTSR(s) will be DECLINED.
13. BPA Transmission Services will send a letter specifying the FTSR(s) and will identify other options if needed.
 - a. The letter will specify the TSR AREF associated with any FTSRs that have been created to encumber capacity.
 - b. Any restrictions for designating against the FTSR will be identified.
 - c. FTSRs that were replaced as part of this update will be identified.
 - d. In the event that the non-federal resource forecast could not be encumbered, the reason(s) and options will be provided.

C. Updates Between Annual Load & Resource Forecasts

1. If there is a change to the Network Customer's load or resource forecast the Network Customer should notify BPA as soon as possible.
 - a. The Network Customer should send an email with details of the change to: KSLF@bpa.gov.

- b. The Network Customer's BPA forecaster and Transmission Account Executive should be copied on the email.
 - c. The Subject Line should be "Revision to Load and Resource Forecast Required – (Network Customer Name)."
2. The queue time for evaluating an updated non-federal resource forecast is the time BPA receives the email (if applicable).

D. Reserving Transmission Capacity for Forecasted Non-federal Network Resources

1. A CONFIRMED Forecasted Transmission Service Request (FTSR), based on the evaluated and accepted forecasts as specified in Sections B and C above, provides an assurance of transmission availability if the identified non-federal resource is subsequently designated.
 - a. An FTSR is a Long-term Firm (LTF) NT TSR in OASIS.
 - b. An FTSR contains "NT FTSR" in the Seller Comments field. Additional information may also be included in this field.
 - c. An FTSR identifies the forecasted MW per year for the next 10 years.
 - d. An FTSR in CONFIRMED Status reflects capacity that has been encumbered for the Network Customer.
2. When a designation against a previously forecasted non-federal Network Resource is accepted, the identified FTSR is adjusted to reflect the MWs that have been designated.
3. Multiple FTSRs may be created to reflect circumstances where a Network Customer forecasts two or more non-federal resources to serve the same Network Load without over-encumbering transmission capacity.
 - a. Each non-federal resource that is forecasted will have a separate FTSR with the same MW for each year.
 - b. BPA will indicate which FTSRs are associated with alternate resources.
 - c. The cumulative designations cannot exceed the MW of the largest single FTSR.
 - i. If the Designation of Network Resource (DNR) is accepted, each of the FTSRs will be adjusted to reflect the MWs that have been designated.
4. When a resource forecast is accepted for the Mid-Columbia (Mid-C) area, the FTSR will specify Columbia230 as the Source and BPAT.CHPD as the Point of Receipt (POR).
 - a. The Network Customer may designate a Network Resource against the FTSR using any of the following PORs: NWH, MIDCREMOTE, BPAT.CHPD (Chelan), BPAT.GCPD (Grant), or BPAT.DOPD (Douglas).
5. A Network Customer may not create an FTSR in OASIS.
6. A Network Customer may designate a Network Resource against a CONFIRMED FTSR. See Section F Additional Requirements for Designating Network Resources.
 - a. If a Network Customer does not designate a Network Resource for which it has an FTSR at least 60 Calendar Days prior to service commencement date, BPA

will release the encumbered capacity back to the market on a rolling month basis.

7. BPA Transmission Services uses CONFIRMED FTSRs in the calculation of Available Transfer Capability (ATC) in accordance with the BPA's ATC Methodology.

E. Designation of a New Network Resource

1. To designate a new Network Resource, the Network Customer must submit a new TSR and a new DNR on OASIS.
 - a. For detailed information concerning submitting DNR requests, see Network Integration (NT) Transmission Service TSR Procedures.
 - b. For Hourly, Daily, Weekly, and Monthly designated Network Resources, NT Customers may submit a Short-Term Firm (STF) NT TSR in accordance with the "Short-Term and Hourly TSR Process" section of the Requesting Transmission Service Business Practice. STF NT TSRs must be submitted in accordance with the BPA Transmission Services' reservation timelines specified in the "Reservation Timelines" section of the Requesting Transmission Service Business Practice.
 - c. For information concerning submitting NITS Applications and supplemental information for STF NT TSRs, see the Network Integration (NT) Transmission Service TSR Procedures. For Deposit and Processing Fee procedures and requirements, please refer to the Requesting Transmission Service Business Practice.
 - d. Queue time is established when the TSR is QUEUED on OASIS.
 - e. For LTF NT TSRs to designate Network Resources, a DNR must be submitted on OASIS no later than 5:00 PM, Pacific Prevailing Time (PPT) on the same Business Day in which the LTF NT TSR is QUEUED. For STF NT TSRs, a DNR must be submitted on OASIS no later than 5:00 PM PPT on the same Business Day in which the TSR is QUEUED, or before delivery, whichever is earlier. The STF NT TSR may be CONFIRMED over OASIS before BPA Transmission Services may have an opportunity to review the STF NT TSR and the DNR. Therefore, although a STF NT TSR may be confirmed, BPA Transmission Services considers the NITS Application deficient if the NITS Application requirements are not met or are not submitted within the specified deadline.
 - f. If a NITS Application fails to meet the requirements of the OATT, BPA Transmission Services will notify the Network Customer requesting service within 15 Calendar Days from the day the TSR is QUEUED and specify the reasons for such failure.
 - g. If, within 10 Business Days of notification, efforts to remedy the deficiencies through informal communications with the Network Customer are unsuccessful, BPA Transmission Services will Decline the NT TSR and the NITS Application.
 - h. For STF NT TSRs, BPA Transmission Services will annul a TSR if the DNR requirements are not met within the deficiency time period or before delivery, whichever is earlier.

2. In order to submit a LTF NT TSR or STF NT TSR to designate a Network Resource, Network Customers must satisfy the following conditions:
 - a. The Network Customer owns the resource, has committed to purchase generation pursuant to an executed contract, or has committed to purchase generation where execution of a contract is contingent upon the availability of transmission service under Part III of the OATT.
 - b. The Network Resource does not include any resources, or any portions thereof, that are committed for a sale of one year or more to non-designated third party load or otherwise cannot be called upon to meet the Network Customer's Network Load on a non-interruptible basis, except for purposes of fulfilling obligations under a reserve sharing program.
3. A Network Customer must have any necessary Firm or Conditional Firm Transmission Service, which may include transmission arrangements with rollover rights, or must have a pending transmission service request for firm transmission on all intermediate transmission systems, including the source system, for the duration of the TSR.
4. Network Customers must make a long-term designation of Network Resources, including a designation of a forecasted Network Resource for which the customer has a CONFIRMED FTSR, no later than 60 Calendar Days prior to service commencement date.

F. Additional Requirements for Designating Network Resources

1. When designating a previously forecasted non-federal Network Resource the following requirements apply:
 - a. To designate a previously forecasted Network Resource for which an FTSR has been CONFIRMED, the Network Customer must submit a LTF NT TSR and a DNR in accordance with section E Designation of a New Network Resource.
 - i. The LTF NT TSR must be as follows:
 1. Request type must be ORIGINAL.
 2. The Deal Ref field must be set to the A-Ref number of the FTSR.
 3. The term must be within the Start and Stop Date parameters of the FTSR.
 4. The Customer Comment field must be set to "TSR to designate a previously forecasted Network Resource."
 - b. BPA Transmission Services will evaluate the LTF NT TSR and the associated FTSR to determine if transmission service can be provided.
 - c. A designation of a Network Resource for less than a year cannot be netted against an FTSR.
2. For the POR field of the OASIS Reservation Entry Form, the Network Customer may use the following PORs:
 - a. The POR of the identified On-System Generating Resource:

- i. The POR of the generating resource may be Newpoint (NEWPOINTBPAT) if the point is not currently modeled on OASIS. See the Requesting Transmission Service Business Practice for more information on designating Newpoint.
 - ii. The POR for a generating resource located within a Load Serving Entity's distribution system is the point of interconnection between the Load Serving Entity and the BPA BAA.
 - b. BAA Delivery Point:
 - i. A BAA Delivery Point may only be used for Network Resources originating from outside the BPA BAA.
 - ii. If the originating BAA is interconnected with the BPA BAA, the Network Customer must use the BAA Point between the BPA BAA and the adjacent or nested BAA from which the Network Resource(s) originate.
 - iii. Network Resources must be delivered to the BAA Delivery Point on Firm or Conditional Firm transmission for the duration of the TSR. The TSR will be DECLINED if the Network Customer is unable to provide an AREF and an attestation for the upstream transmission at the time the DNR is submitted on OASIS. See section M of the Network Integration (NT) Transmission Service TSR Procedures.
 - iv. If the upstream Firm or Conditional Firm transmission contract includes rollover rights which may be exercised during the duration of the NT TSR, the Network Customer must provide the AREF for the rollover TSR at the time the TSR is submitted and again within five Business Days of the rollover being CONFIRMED in order for the NT TSR to continue to be a valid DNR. The notification must be emailed to TxRequests@bpa.gov.
 - c. The Northwest Market Hub (NWH):
 - i. To qualify as a Network Resource, the energy must be delivered to the Northwest Market Hub on Firm or Conditional Firm transmission for the duration of the NT TSR and in accordance with iii below. The TSR will be DECLINED if the Network Customer is unable to provide an AREF and an attestation for the upstream transmission at the time the DNR is submitted on OASIS.
 - ii. If the source is physically located within the BPA BAA, the Network Customer may only identify a single generating resource for each TSR and must provide a DNR for each resource. The TSR will be DECLINED if the Network Customer is unable to identify a specific source at the time the DNR is submitted on OASIS.
 - iii. For the Start Date and the Stop Date field of the OASIS Reservation Form, the Network Customer must use dates when the resource will be available on a non-interruptible basis to serve the Network Customer's load.
 - iv. If the Network Resource is a generating resource physically located outside of the BPA BAA, the Network Customer must provide an AREF and an attestation that the upstream transmission arrangements are Firm or Conditional Firm and identify the Balancing Authority Area Delivery Point in the NITS Resource Description of the DNR.

- v. If the Network Resource is a power purchase agreement from generating resources physically located outside of the BPA BAA, the Network Customer must also identify the Balancing Authority from which the power will originate and the Balancing Authority Area Delivery Point in the NITS Resource Description of the DNR.
3. NT Resource Demand
- a. Federal Resource Demand
 - i. If the Source is the FCRPS and the demand varies over the term of designation, e.g.; a Load Following or Slice/Block contract, The Network Customer should input the 10 year flat peak demand as the requested demand in the MW field of the TSR.
 - ii. If the Source is the FCRPS and the demand is fixed, e.g.; a 10MW contract, the Network Customer should input the specific requested demand in the MW field of the TSR.
 - iii. If the Network Customer plans to displace an existing resource that is not FCRPS, the Network Customer should identify the resource being displaced in the Customer Comments field of the TSR.
 - b. Non-Federal Network Resource Demand
 - i. The NT Customer may submit a shaped monthly capacity profile.
 - ii. Each monthly MW value must be less than or equal to the peak demand listed in the associated Power Purchase Agreement.
4. The Network Customer must specify in the Customer Comments field of the LTF NT TSR or STF NT TSR “New Network Resource.”
5. The term of the TSR may not exceed the term to which the Network Customer owns the resource or has rights to the resource.
6. The Stop date of the NT LTF TSR or NT STF TSR may be later than the termination date of the Network Customer’s NT Service Agreement. However, if the Network Customer’s NT Service Agreements is not renewed and subsequently terminates, then the Network Customer’s DNRs that extend past the termination of the NT Service Agreement are no longer valid.
7. BPA Transmission Services will evaluate TSRs submitted on OASIS for NT service to determine whether transmission service can be provided. See the Long-term Firm Queue: Evaluation of Requests and Offer of Service Business Practice.
8. Behind the Meter Resource:
- a. If a generating resource used to serve Network Load is a Behind the Meter Resource, the Network Customer must notify BPA Transmission Services by submitting a DNR over OASIS, and update its 10–year Load and Resource Forecast as described in Section B or Section C.
 - i. No OASIS TSR is required for a Behind the Meter Resource.
 - ii. The customer must notify BPA Transmission Services that the resource is a Behind the Meter Resource by entering the comment “Behind the Meter Resource” in the Customer Comment field of the DNR submitted over OASIS.

- b. The integrated hourly sum of generation from a Network Customer's Behind the Meter Resources may not exceed the Network Customer's total Network Load for any given hour.
- c. Refer to the Small Generator Interconnection Business Practice and/or the Large Generator Interconnection Business Practice for additional procedures.

G. Undesignation of a Network Resource

1. To make third-party sales of one year or more from a DNR, or if output or contractual rights to a DNR cease, a Network Customer must first undesignate that Network Resource. A Network Customer must use PTP Transmission Service for third party sales.
2. A Network Customer may undesignate all or part of a DNR by submitting a request to terminate a DNR on OASIS.
3. Temporary Undesignation of a DNR.
 - a. See Section H. Temporary Undesignation of the Network Integration (NT) Transmission Service TSR Procedures.
 - b. The Network Customer forfeits its ATC rights during the period that the Network Resource or portion thereof, is temporarily undesignated.
 - i. A new TSR is required if a Network Customer elects to re-designate a resource prior to the end date of the Temporary Undesignation.
 - c. After the period of temporary undesignation, the Network Customer will retain its right to Transmission Service from the original DNR.
 - d. If no stop date is specified in the undesignation notice, BPA Transmission Services will consider the Network Resource to be permanently undesignated.
4. Permanent Undesignation of a DNR
 - a. See Section I. Indefinite (Permanent) Undesignation of the Network Integration (NT) Transmission Service TSR Procedures.
 - b. The Network Customer forfeits its reservation priority and ATC rights for any permanently undesignated Network Resources.
 - c. Upon permanent undesignation of a DNR, to designate a new Network Resource, the Network Customer must submit a new LTF NT TSR on OASIS.

H. Designation of New Network Load

1. The Network Customer must submit a LTF NT TSR and a new DNR for the new Network Load on OASIS. For detailed information on submitting NT requests, see the Requesting Business Practice. If applicable, the Network Customer must also submit a new Network Load Supplemental form.
2. For Deposit and Processing Fee procedures and requirements, please refer to the Requesting Transmission Service Business Practice.
3. For information about submitting a new DNR, see the Network Integration (NT) Transmission Service TSR Procedures.

4. Queue time is established when the TSR for a New Network Load is QUEUED on OASIS.
 - a. A new DNR must be submitted on OASIS no later than 5:00PM, PPT on the same Business Day in which the LTF NT TSR is QUEUED.
 - b. If a NITS Application fails to meet the requirements of the OATT, BPA Transmission Services will notify the Network Customer requesting service within 15 Calendar Days from the day the TSR is QUEUED and specify the reasons for such failure.
5. If, within 10 Business Days of notification, efforts to remedy the deficiencies through informal communications with the Network Customer are unsuccessful, BPA Transmission Services will change the OASIS status of the TSR and the NITS Application to DECLINED.
6. The Network Customer must specify in the Customer Comments field of the TSR “New Network Load.”
7. The Network Customer must demonstrate sufficient resources to serve the New Network Load.
8. BPA Transmission Services will evaluate LTF NT TSRs submitted on OASIS for New Network Load to determine if transmission service can be provided. See the Long-term Firm Queue: Evaluation of Requests and Offer of Service Business Practice.
9. For detailed information on the submission and processing of TSRs, refer to the Requesting Transmission Service Business Practice.
10. For additional requirements for interconnecting New Network Load, refer to the Line and Load Interconnection Procedures Business Practice.

I. Using Secondary Service

1. The Network Customer may use Secondary Service to deliver energy to Network Loads from resources that have not been designated as Network Resources.
2. Secondary Service is a short term transmission product available in monthly, weekly, daily, and hourly increments.
3. To obtain Secondary Service, the Network Customer must submit a TSR on OASIS.
4. The Point of Delivery (POD) must be the Network Customer’s Network Load.
5. The Source and Sink are not required.
6. The TSR must be submitted within the required reservation window as specified in the Requesting Transmission Service Business Practice.

J. Use of Point-to-Point Service to Serve Network Load

1. Point-to-Point (PTP) service may be used to serve Network Load at a Point of Delivery (POD) provided that the Network Customer continues to pay the NT rate for full load service and the PTP contract holder pays the full PTP service costs. The PTP reservation must be a flat transmission capacity MW profile for the full duration of the

reservation. Neither the Network Load nor the NT bill will be reduced by the amount of load served with PTP service.

2. The Network Customer may be required to undesignate its DNR pursuant to Section 30.3 of the OATT if the DNR has the same POR as the PTP service and the PTP service is used to serve Network Load for more than one year.

K. Reservation Priority for NT Service Agreements

1. Network Customer with existing firm transmission service may have the right to continue to take transmission service when its contract expires, rolls over, or is renewed. For detailed information on exercising Reservation Priority rights, please refer to the Reservation Priority Business Practice.
2. For Deposit and Processing Fee procedures and requirements, please refer to the Requesting Transmission Service Business Practice.

L. Reservation Priority for Designated Network Resources

1. A Network Customer with existing firm Transmission Service may have the right to renew its DNRs. For detailed information on exercising Reservation Priority rights, please refer to the Reservation Priority Business Practice.
2. The Network Customer must submit a TSR with a Request Type of RENEWAL and a NITS Application on OASIS.
 - a. For detailed information on submitting Renewal requests, see the Requesting Transmission Service Business Practice.
 - b. For Deposit and Processing Fee procedures and requirements, refer to the Requesting Transmission Service Business Practice.
 - c. The DNR must be submitted on OASIS no later than 5:00 PM, PPT on the same Business Day in which the LTF NT TSR is QUEUED.
 - d. If a NITS Application fails to meet the requirements of the OATT, BPA Transmission Services will notify the Network Customer within 15 Calendar Days from the day the LTF NT TSR is QUEUED and specify the reasons for such failure.
 - e. If, within 10 Business Days of notification, efforts to remedy the deficiencies through informal communications with the Network Customer are unsuccessful, BPA Transmission Services will change the OASIS status of the LTF NT TSR and the NITS Application to DECLINED.